

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael R. Slater et al.

Title: VECTORS FOR DIRECTIONAL CLONING

Docket No.: 341.030US1

Filed: November 5, 2003

Examiner: Unknown

Serial No.: 10/702,228

Due Date: N/A

Group Art Unit: 1653

**MS Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

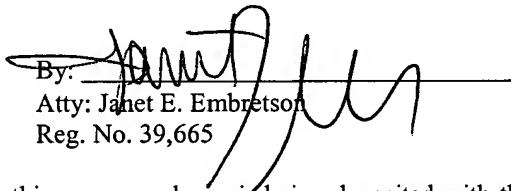
We are transmitting herewith the following attached items (as indicated with an "X"):

☒ Return postcard.

☒ Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 11 cited documents, including the Partial International Search Report for corresponding PCT Application No. PCT/US2004/031912 (3 pgs.).

If not provided in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Customer Number 21186

By:   
Atty: Janet E. Embretson  
Reg. No. 39,665

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 26<sup>th</sup> day of October, 2005.

Name

Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

S/N 10/702,228



PATENT

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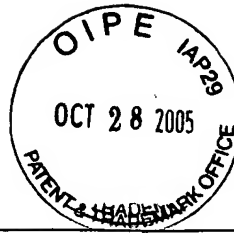
**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Several of the documents, listed on the attached 1449, were discovered as a result of a Search Report in Applicant's corresponding foreign patent application. Enclosed for the Examiner's information are copies of these cited documents and the Search Report.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.



Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of the U.S. Patent or Published Application cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

MICHAEL R. SLATER ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6959

Date

October 26 2005 By Janet E. Embretson  
Reg. No. 39,665

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JAMES KANYUSIK  
Name

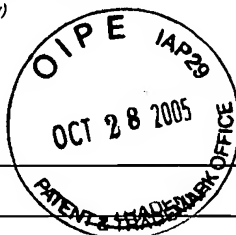
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/702,228
Filing Date	November 5, 2003
First Named Inventor	Slater, Michael
Group Art Unit	1653
Examiner Name	Unknown

Sheet 1 of 1

Attorney Docket No: 341.030US1

**US PATENT DOCUMENTS**

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2003/0143522 A1	07/31/2003	Perler, P. B., et al.	12/18/2002
	US-5,391,487	02/21/1995	Kappelman, J. R., et al.	08/13/1993

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>
	WO-91/02077A1	02/21/1991	Miki, T., et al.	
	WO-01/07633A1	02/01/2001	Jones, J. D., et al.	
	WO-2005/087932A2	09/22/2005	Slater, M. R., et al.	

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"Partial International Search Report for corresponding PCT Application No. PCT/US2004/031912", (Attorney Docket Number 341.030WO1), (September 22, 2005), 3 pgs.	
		AEBI, M., et al., "Sequence Requirements for Splicing of Higher Eukaryotic Nuclear Pre-mRNA", <i>Cell</i> , 47 (4), (Nov. 21, 1986), 555-565	
		BERGER, S. L., "Gene Modification with Hapaxotermistic Restriction Enzymes - Easing the Way", <i>Methods in Molecular Biology</i> , 160: Nuclease Methods and Protocols, (2001), 443-458	
		BILCOCK, D. T., et al., "Reactions of Type II Restriction Endonucleases with 8-Base Pair Recognition Sites", <i>Journal of Biological chemistry</i> , 274(51), (December 17, 1999), 36379-36386	
		HAN, J. H., et al., "Lambda gt22S, a Phage Expression Vector for the Directional Cloning of cDNA by the Use of a Single Restriction Enzyme SfiI", <i>Nucleic Acids Research</i> , 16(24), (1988), 11837	
		KAPPELMAN, J. R., et al., "SgfI, a New Type-II Restriction Endonuclease that Recognizes the Octanucleotide Sequence 5'-GCGAT/CGC-3'", <i>Gene</i> , 160(1) ( ), Short Communications, (July 4, 1995), 55-58	
		WILMS, B., et al., "High-Cell-Density Fermentation for Production of L-N-Carbamoylase Using an Expression System Based on the <i>Escherichia coli</i> rhaBAD Promoter", <i>Biotechnology and Bioengineering</i> , 73(2), (2001), 95-103	
		ZELENETZ, A. D., et al., "Directional Cloning of cDNA Using a Selectable SfiI Cassette", <i>Gene</i> , 89(1), (1990), 123-127	

**EXAMINER****DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached